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12-3-8v.8

MATERIAL SAFETY DATA SHEET

Schaeffer Mfg. Company
102 Barton Street
St. Louis, MO 63104

Emergency Telephone No.
(314) 865-4105 or
(800) 325-9962

SECTION I - PRODUCT INFORMATION

Chemical Family: A Citrus based liquid Cleaner	Trade Name: #266 Citrol - Spray
Formula: Proprietary Mixture	

SECTION II - HAZARDOUS INGREDIENTS

Exposure Limits					
Components-Chemical Names and Common Names	%	TLV		PEL	
		ppm	mg/m3	ppm	mg/m3
D-limonene CAS# 5989-27-5	35-45	NE		NE	
Cocamide DEA CAS# 68603-42-9	3-5	NE		NE	
Poly(oxy-1-2-ethanediyl-nonylphenyl)-omega-hydroxy-CAS# 9016459	3-5	NE		NE	
2 - Butoxyethanol CAS# 111-76-2	10-15	25	121	50	240
Propane (Propellant) CAS# 74-98-6	1-2	2500		1000	
Isobutane (Propellant) CAS# 75-28-5	<1	800		800	

SECTION III - PHYSICAL DATA

Boiling/Melting Point °F/°C	207°F / 97°C	Specific Gravity	.9366
Vapor Pressure @ 20°C (TORR) (mm Hg)	17.5mm	% Volatile	84-85
Vapor Density (air = 1)	Not Determined	Evaporation Rate (=1)	Not Determined
Solubility In water	Emulsifiable	pH	9
Appearance and Odor: Clear light yellow Citrus odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method) Base Oil: 145°	Flammable Limits: UEL & LEL—Not
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USEPA SF



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F/62.78°C C.O.C 128°F/53.33°C PMCC	Determined.
Flammability as per USA Flame Projection Test (aerosols): Flammable	
Extinguishing Media: Carbon dioxide foam, dry chemical foam, sand, earth, waterfog.	
Special Fire Fighting Procedures: Treat as a class B fire. Avoid breathing fumes. Do not enter any enclosed or confined space without protective equipment including self-contained breathing apparatus.	
Unusual Fire and Explosion Hazards: Vapors can be denser than air and travel back to ignition source causing flashback to occur.	

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value and Sources: None established.
<u>Acute Effects of Overexposure</u> Ingestion: Harmful if ingested. This product is corrosive to the mouth and esophagus if swallowed.
Eye Contact: At high concentrations when heated vapors are irritating to eyes, liquid contact produces severe irritation and possible eye burns.
Skin Contact: Slightly irritating with possible redness, edema, or dryness to skin.
Inhalation: Inhalation of vapors of mists may cause dizziness, drowsiness and irritation to the mucous membranes.
Chronic Effects of Overexposure: None currently known.
<u>Emergency and First Aid Procedure</u> Swallowing: Do not induce vomiting. Drink milk or water to dilute. Seek medical attention immediately.
Skin: Remove contaminated clothing. Wash skin with copious amounts of soap and water. Launder contaminated clothing.
Inhalation: Remove victim to fresh air. If breathing is difficult, administer oxygen.
Eyes: Immediately flush eyes with clear, cool, clean water for 30 minutes. Seek medical attention immediately.

SECTION VI - ADDITIONAL HEALTH AND TOXICOLOGICAL DATA

This product does not contain any chemicals at .1% level that are considered to be cancer causing or suspected of causing cancer by the National Toxicology Program's Annual Reports, the International Agency for Cancer Research's Monographs or OSHA's 1910.10 subpart Z list.

This product does not contain any of the chemicals found on the State of California's Proposition 65 list as possible cancer causing or reproductive toxins.

Medical conditions aggravated by product: dermatitis, cuts and abrasions.

Do not use nitrosating agents with this product since nitrosamine may form. Some nitrosamine have been shown to be carcinogenic.

All the ingredients in this product are on TSCA list and in compliance with Canadian Environmental Protection Act.

HMIS Rating:

Health = 2 Flammability = 4 Reactivity = 0

The VOC content according to EPA Method 24 is 3.48 lb./gal.

SARA Title III Information on last page.

SECTION VII - REACTIVITY DATA

Stability:			
Unstable	Stable	Conditions to	High heat, sparks & open flames.
	X	Avoid	
Incompatibility (materials to avoid): Strong oxidizing agents.			
Hazardous Decomposition Products: Carbon monoxide, aldehydes and ketones.			
May	Will Not	Conditions	
Occur	Occur	To Avoid	
	X	None	

SECTION VIII - SPILL OR LEAK PROCEDURES

Environmental Impact: This product is biodegradable, as such it does not pose any undue environmental hazards. This product is not a hazardous waste if it is discarded in the purchased form.

Procedures To Be Taken If Material Is Released or Spilled: Absorb spills with absorbent material. Ventilate confined spaces. Large spills should be diked then pumped into a tank truck or drums for disposal. After material has been removed, flush contaminated area with large amounts of water.

Waste Disposal Methods: Dispose of in accordance with all applicable federal, state and local laws and regulations. For spent product, allow oils and oily wastes to separate, skim off top oil layer and discharge bottom layer in accordance with EPA regulations. Product in its neat form would be considered a RCRA Hazardous Waste due to its flammability D001.

SECTION IX - SPECIAL PROTECTION INFORMATION

Respiratory Protection: None required under ordinary conditions of use.
Ventilation: No special requirement under ordinary conditions of use and with adequate ventilation.
Eye Protection: Goggles or face shield.
Protective Clothing: Use apron & boots as required. Solvent resistant neoprene or rubber gloves.

SECTION X - SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling and Storage: Do not store near heat, sparks or open flames. Launder contaminated clothing before reuse. Wash thoroughly with soap and water after use. Keep container closed when product is not in use. Flammable according to current DOT Regulations.

Special Comments: This product is a combustible liquid. Do not reuse container. Dispose of the container in accordance with local, state and federal EPA Regulations. Do not store near food or feed products.

SARA TITLE III INFORMATION

I. Section 302/304 Extremely Hazardous

Component	CAS#	%	RQ	RQ (gal.)* (lbs.)
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None

II. Section 102(a) CERCLA Hazardous Substance

Component	CAS#	%	RQ	RQ (gal.)* (lbs.)
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None

III. Section 313 Toxic Chemical

Component	CAS#	%
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2-Butoxyethanol	111-76-2	10-15
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Date Prepared: 4/2003